AMENDMENTS TO THE CLAIMS

- 1. (Currently Amended) A compound comprising a polypeptide, the polypeptide having at a C-terminal end a pseudo amino acid, wherein the pseudo amino acid having has a side chain containing a 1-amino-2-thiol moiety.
- 2. (Currently Amended) A compound according to claim 1, wherein the polypeptide comprises the structure:

wherein:

R is a polypeptide chain;

X is a linker.

- 3. (Currently Amended) A compound according to claim 2, wherein the linker comprises (CH₂)n, wherein where n is 0 to 6, preferably 4.
 - 4. (Original) A protected pseudo amino acid comprising the structure

$$PG_2$$
 PG_3
 PG_4
 PG_1
 PG_1
 PG_3
 OH

wherein:

Y is optionally H or other suitable residue; and

PG₁, PG₂ and PG₃ are different protecting groups.

- 5. (Currently Amended) A protected pseudo amino acid according to claim 4, wherein the protecting groups are selected from the listed consisting of FMOC, BOC or Trt.
- 6. (Original) A protected pseudo amino acid according to claim 5 having the structure:

- 7. (Original) A process of producing a pseudo cysteine comprising the steps according to Figure 2.
 - 8. (Original) A pseudo cysteine obtained by the method of claim 7.
 - 9. (Original) A pseudo cysteine obtainable by the method of claim 7.
- 10. (Currently Amended) The use of a polypeptide of claim 1 -3, a pseudo amino acid of claim 4-6 or a pseudo cysteine of claim 8-9, for producing a peptide, [[or]] a protein by native chemical ligation, a homodimer, a heterodimer, or an oligomer.
- 11. (Currently Amended) The use of a polypeptide of claim 1-3, a pseudo amino acid of claim 4 -6 or a pseudo cysteine of claim 8-9, for producing a peptide, a protein by native chemical ligation, a homodimer, a heterodimer, or an oligomer.

- 12. (Currently Amended) The use of a polypeptide of claim 1-3, a pseudo amino acid of claim 4-6 or a pseudo cysteine of claim 7 [[8-9,]] for producing a peptide, a protein by native chemical ligation, a homodimer, a heterodimer, or an oligomer.
 - 13. (Cancelled).
 - 14. (New) A compound according to claim 3, wherein the n is 4.